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USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 26 February 1993 from the Permanent Mission of the Russian Federation to the United Nations addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the Convention on Registration of Objects Launched into Outer Space, has the honour to transmit information concerning space objects launched by the Russian Federation in May to November 1992 and concerning objects previously launched into earth orbit which are no longer in orbit.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN MAY AND JUNE 1992

1. In May and June 1992, the Russian Federation launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2756 | Cosmos-2186 (launched by a Soyuz carrier rocket from the Plesetsk launch site) | 28 May | 350 | 195 | 62.9 | 89.7 | Investigation of the upper atmosphere and outer space |
| 2757 | Cosmos-2187* | 3 June | 1 506 | 1 444 | 74 | 115.3 | Investigation of outer space |
| 2758 | Cosmos-2188* | " | " | " | " | " | " |
| 2759 | Cosmos-2189* | " | " | " | " | " | " |
| 2760 | Cosmos-2190* | " | " | " | " | " | " |
| 2761 | Cosmos-2191* | " | " | " | " | " | " |
| 2762 | Cosmos-2192* | " | " | " | " | " | " |
| 2763 | Cosmos-2193* | " | " | " | " | " | " |
| 2764 | Cosmos-2194* | " | " | " | " | " | " |
| 2765 | Resurs-F (launched by a Soyuz carrier rocket from the Plesetsk launch site) | 23 June | 257 | 190 | 82.3 | 88.6 | Investigation of the natural resources of the Earth in the interests of the various branches of the national economy |

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| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2766 | Progress M-13 (launched by a Soyuz carrier rocket from the Baikonur launch site) | 30 June | 244 | 189 | 51.6 | 88.5 | Delivery of various cargoes to the Mir manned orbital station |

* Launched by a Cosmos carrier rocket from the Plesetsk launch site.

2. The following space objects ceased to exist in May 1992 and were no longer in earth orbit at 2400 hours Moscow time on 31 May 1992:

1988-113A (Cosmos-1985)
1992-016A (Cosmos-2182)
1992-124A (Resurs F-2)

3. The following space objects ceased to exist in June 1992 and were no longer in earth orbit at 2400 hours Moscow time on 30 June 1992:

1992-022A (Progress M-12)
1992-023A (Cosmos-2185)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN JULY 1992

1. In July 1992, the Russian Federation launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2767 | Cosmos-2195 (launched by a Cosmos carrier rocket from the Plesetsk launch site) | 2 July | 1 023 | 975 | 82.9 | 104.8 | Investigation of outer space |
| 2768 | Cosmos-2196 (launched by a Molniya carrier rocket from the Plesetsk launch site) | 8 July | 39 235 | 608 | 62.8 | 707 | " |
| 2769 | Cosmos-2197* | 13 July | 1 442 | 1 442 | 82.6 | 114.3 | " |
| 2770 | Cosmos-2198* | " | " | " | " | " | " |
| 2771 | Cosmos-2199* | " | " | " | " | " | " |
| 2772 | Cosmos-2200* | " | " | " | " | " | " |
| 2773 | Cosmos-2201* | " | " | " | " | " | " |
| 2774 | Cosmos-2202* | " | " | " | " | " | " |
| 2775 | Gorizont (launched by a Proton carrier rocket from the Baikonur launch site in the interests of the Ministry of Communications of the Russian Federation) | 15 July | 36 567 | 36 567 | 1.4 | 1 476 | Development of the communications and television broadcasting system |

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| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2776 | Cosmos-2203 (launched by a Soyuz carrier rocket from the Plesetsk launch site) | 24 July | 334 | 198 | 62.8 | 89.5 | Investigation of the upper atmosphere and outer space |
| 2777 | Soyuz TM-15 (launched by a Soyuz carrier rocket from the Baikonur launch site) | 27 July | 233 | 200 | 51.6 | 88.6 | Transport to the Mir manned orbital station of an international crew comprising the cosmonauts A. Solovyev, S. Avdeev and M. Tonini (France) to conduct joint work with the cosmonauts A. Viktorenko and A. Kaleri |
| 2778 | Cosmos-2204** | 30 July | 19 141 | 19 141 | 64.8 | 676 | Testing of components and apparatus of the Glonass global space navigation system being set up to determine the position of civil aircraft and vessels of the merchant marine and fishing fleet |
| 2779 | Cosmos-2205** | " | " | " | " | " | " |
| 2780 | Cosmos-2206** | " | " | " | " | " | " |
| 2781 | Cosmos-2207 (launched by a Soyuz carrier rocket from the Plesetsk launch site) | " | 263 | 195 | 82.3 | 88.7 | Investigation of the upper atmosphere and outer space |

* Launched by a Tsiklou carrier rocket from the Plesetsk launch site.

** Launched by a Proton carrier rocket from the Baikonur launch site.

2. The following space objects ceased to exist in July 1992 and were no longer in earth orbit at 2400 hours Moscow time on 31 July 1992:

1992-029A (Cosmos 2186)
1992-033A (Resurs-F)
1992-035A (Progress M-18)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN AUGUST 1992

1. In August 1992, the Russian Federation launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2782 | Molniya-1 (launched by a Molniya carrier rocket) | 6 August | 40 693 | 636 | 63.6 | 737 | Operation of the long-range telephone and telegraph radio communications system, transmission of television programmes to stations in the Orbita network |
| 2783 | Cosmos-2208 (launched by a Cosmos carrier rocket from the Plesetsk launch site) | 12 August | 826 | 790 | 74.1 | 100.9 | Investigation of outer space |
| 2784 | Progress M-14 (launched by a Soyuz carrier rocket from the Baikonur launch site) | 16 August | 251 | 191 | 51.6 | 88.6 | Delivery of various cargoes to the Mir manned orbital station |
| 2785 | Resurs-F (launched by a Soyuz carrier rocket from the Plesetsk launch site) | 19 August | 258 | 193 | 82.6 | 88.7 | Investigation of the natural resources of the Earth in the interests of the various branches of the national economy and solution of problems relating to the environment and to international cooperation (the satellite's equipment included two Pion passive satellites for the investigation of the upper atmosphere) |

2. The following space objects ceased to exist in August 1992 and were no longer in earth orbit at 2400 hours Moscow time on 31 August 1992:

1990-075A (Cosmos-2098)
1992-014A (Soyuz TM-14)
1992-048A (Cosmos-2207)

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## REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN SEPTEMBER 1992

1. In September 1992, the Russian Federation launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2786 | Cosmos-2209 (launched by a Proton carrier rocket from the Baikonur launch site) | 10 September | 35 935 | 35 935 | 1.3 | 1 443 | Investigation of outer space and processes occurring in the Earth's atmosphere |
| 2787 | Cosmos-2210 (launched by a Soyuz carrier rocket from the Plesetsk launch site) | 22 September | 380 | 173 | 67.2 | 89.7 | Investigation of the upper atmosphere and outer space |

2. The following space objects ceased to exist in September 1992 and were no longer in earth orbit at 2400 hours Moscow time on 30 September 1992:

1992-045A (Cosmos-2203)
1992-056A (Resurs-F-1)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN OCTOBER 1992

1. In October 1992, the Russian Federation launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2712 | Photon (lauched by a Soyuz carrier rocket from the Plesetsk launch site) | 8 October | 383 | 228 | 62.8 | 90.3 | Space materials research (conducted jointly with Germany) |
| 2789 | Molniya 3 (launched by a Molniya carrier rocket from the Plesetsk launch site) | 14 October | 40 854 | 461 | 62.8 | 737 | Operation of the long-range telephone and telegraph radio communications system, transmission of television programmes to stations in the Orbita network and international cooperation |
| 2790 | Cosmos-2211* | 20 October | 1 449 | 1 416 | 82.6 | 114.3 | Investigation of outer space |
| 2791 | Cosmos-2212* | " | " | " | " | " | " |
| 2792 | Cosmos-2213* | " | " | " | " | " | " |
| 2793 | Cosmos-2214* | " | " | " | " | " | " |
| 2794 | Cosmos-2215* | " | " | " | " | " | " |
| 2795 | Cosmos-2216* | " | " | " | " | " | " |
| 2796 | Cosmos-2217* (launched by a Molniya carrier rocket from the Plesetsk launch site) | 21 October | 39 400 | 600 | 62.8 | 708 | " |

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2797 | Progress M-15 (launched by a Soyuz carrier rocket from the Baikonur launch site) | 27 October | 233 | 194 | 51.6 | 88.5 | Delivery of various cargoes to the Mir manned orbital station |
| 2798 | Cosmos-2218 (launched by a Cosmos carrier rocket from the Plesetsk launch site) | 29 October | 1 028 | 989 | 82.9 | 105 | Investigation of outer space |
| 2799 | Ekran (launched by a Proton carrier rocket from the Baikonur launch site) | 30 October | 35 618 | 35 618 | 1.4 | 1 428 | Transmission of television programmes to a network of multiple-user receiving stations |

* Space objects Cosmos-2211, Cosmos-2212, Cosmos-2213, Cosmos-2214, Cosmos-2215 and Cosmos-2216 were launched by a single Tsiklon carrier rocket from the Plesetsk launch site.

2. The following space objects ceased to exist in October 1992 and were no longer in earth orbit at 2400 hours Moscow time on 31 October 1992:

1991-024A (Almaz-1)
1992-055A (Progress M-14)
1992-065A (Photon)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN NOVEMBER 1992

1. In November 1992, the Russian Federation launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2800 | Resurs-300 (launched by a Soyuz carrier rocket from the Plesetsk launch site) | 16 November | 270 | 194 | 82.6 | 88.8 | Delivery of a humanitarian cargo (messages to the American people, promotional materials of Russian and foreign firms, etc.) to the United States of America in connection with the 500th anniversary of the discovery of America by Columbus |
| 2801 | Cosmos-2219 (launched by a Zenit carrier rocket from the Baikonur launch site) | 17 November | 881 | 852 | 71 | 102 | Investigation of outer space |
| 2802 | Cosmos-2220 (launched by a Soyuz carrier rocket from the Plesetsk launch site) | 20 November | 368 | 178 | 67.2 | 89.6 | Investigation of the upper atmosphere and outer space |
| 2803 | Mak-2 (small satellite; launched from the Mir station) | " | 418 | 398 | 51.6 | 92.4 | Conduct of experiments to study physical processes in the Earth's ionosphere |
| 2804 | Cosmos-2221 (launched by a Tsiklon carrier rocket from the Plesetsk launch site) | 24 November | 678 | 651 | 82.6 | 97.8 | Investigation of outer space |

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| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2805 | Cosmos-2222 (launched by a Molniya carrier rocket from the Plesetsk launch site) | 25 November | 39 340 | 615 | 62.8 | 708 | " |
| 2806 | Gorizont (launched by a Proton carrier rocket from the Baikonur launch site) | 27 November | 36 500 | 36 500 | 1.4 | 1 472 | Development of the communications and television broadcasting system |

2. The following space objects ceased to exist in November 1992 and were no longer in earth orbit at 2400 hours Moscow time on 30 November 1992:

1975-076A (Cosmos-756)
1992-062A (Cosmos-2210)
1992-075A (Resurs-500)